

**Notice of Allowability**

Application No.

10/058,266

Examiner

DIANE D. MIZRAHI

Applicant(s)

SANGUDI ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11-3-04.
2. ☒ The allowed claim(s) is/are 44.
3. ☒ The drawings filed on 25 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

DIANE D. MIZRAHI  
PRIMARY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### III. DETAILED ACTION

Claim 44 is presented for examination.

#### Allowable Subject Matter

Claim 44 is allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance: Applicant's particular method for representing an extendible markup language (XML) data structure as a fixed set of tables in a relational database which includes inputting the XML data structure, grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk, generating a fixed sized table for the group in grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk and if necessary, repeating grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk, generating a fixed sized table for the group in grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk and creating references to grouping at least one XML node and any sub-node into a relationship selected from the group consisting

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of linked list, array of object, and chunk, generating a fixed sized table for the group in grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk and if necessary until the XML data structure is completed and outputting the resulting fixed sized table for use in the relational database. These limitations was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The closest prior art Lee et al. (US Publication No.US2002/0169788A1 and Lee hereinafter) discloses a relational database in which more of the following content particles: elements, attributes of elements, nesting relationships between elements, grouping relationships between elements, schema ordering indicators, existence indicators, occurrence indicators and element ID referencing indicators and loads the data into the relational database in a manner consistent with the relational in at least one table of the relational database.

Lee does not expressly teach Applicant's invention of representing an extendible markup language (XML) data structure as a fixed set of tables in a relational database which includes inputting the XML data structure, grouping at least one XML node and any sub-node into a relationship selected from the group

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consisting of linked list, array of object, and chunk, generating a fixed sized table for the group in grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk and if necessary, repeating grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk, generating a fixed sized table for the group in grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk and creating references to grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk, generating a fixed sized table for the group in grouping at least one XML node and any sub-node into a relationship selected from the group consisting of linked list, array of object, and chunk and if necessary until the XML data structure is completed and outputting the resulting fixed sized table for use in the relational database.

**Other Prior Art Made of Record**

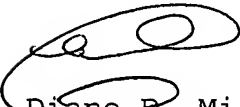
The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diane D. Mizrahi whose telephone number is (703) 305-3806. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (703) 305-3830. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-9000 for regular communications and (703) 305-9000 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9001.



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Primary Patent Examiner  
Technology Center 2100

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